9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GDF10 Human

Growth differentiation factor 10 Human Recombinant
CYK0168

Product Overview

Name	GDF10 Human
Description	
Growth differentiation factor 10 Human Recombinant	
Accession (Primary)	P55107
Synonyms	
Bone morphogenetic protein 3b, BMP-3b, Growth/differentiation factor 10, GDF-10, Bone-inducing protein, BIP, GDF10, BMP3B.	
Introduction	
GDF10 is a member of the BMP family and the TGF-beta superfamily. GDF10 is expressed in femur, brain, lung, skeletal, muscle, pancreas and testis, and has a role in head formation and possibly multiple roles in skeletal morphogenesis. In humans, GDF10 mRNA is found in the cochlea and lung of fetuses, and in testis, retina, pineal gland, and other neural tissues of adults. The BMP family members are regulators of cell growth and differentiation in both embryonic and adult tissues. These proteins are characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing 7 conserved cysteine residues.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The GDF10 solution (1mg/ml) contains 10mM Sodium citrate (pH 3.5), 1mM DTT, 40% glycerol and 0.1M NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MQWDEPRVCS RRYLKVDFAD IGWNEWIISP KSFDAYYCAG ACEFPMPKIV RPSNHATIQS IVRAVGIIPG IPEPCCVPDK MNSLGVLFLD ENRNVVLKVY PNMSVDTCAC R.	

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Precautions

GDF10 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P55107)